

Summary of DAT Information 1/20/2009

Highlights

The first Spring Kodiak Trawl was completed last week for adult fish. From the available data, the largest proportion was caught in the Sacramento Ship Channel, the rest were caught in the lower Sacramento and San Joaquin rivers, west of the Delta.

Due to the national holiday, Monday, 1/19/09, the regular data will be about a day late. I have the hydrology data, a few days of DFG Knights Landing data, the DFG Kodiak trawl data, and the FWS Delta monitoring data.

Next DAT Conference Call Tuesday, 1/27/2009, 9:00 am - 11:00 pm. 916/657-4111.

Chinook Monitoring

Upper Sacramento River

Red Bluff Diversion Dam -

Juvenile winter run passage averaged 139/day for the past week; a little lower than last week.

Late fall Chinook passage averaged 0/day, spring run passage averaged 0/day; a little lower than last week. Fall run passage averaged 52,735/day, and steelhead passage was 0/day; a little higher than last week.

Red Bluff flow decreased to about 4,100 cfs and the water is clear.

FWS posts biweekly reports on the Bay-Delta and Tributaries Project website, at http://baydelta.ca.gov/Php/Special_Reports/red_bluff.php

Mill Creek – DFG didn't catch any Chinook or steelhead in the trap last week. The flow decreased to about 115 cfs.

Deer Creek – DFG caught 1 fry Chinook in the trap last week. The flow was low and stable, about 110 cfs.

Butte Creek – no report

GCID –

Knights Landing – DFG caught 3 fry, 2 older juvenile and 18 ad-clipped Chinook last week. Flow decreased gradually from about 5,000 cfs to about 4,400 cfs. The water is relatively clear.

Delta Monitoring -

FWS caught species of special interest in the Sacramento Area seines and at Chipps Island; no species of special interest in the rest of the monitoring.

Chipps Island – in two weeks of sampling (6 samples) FWS caught 6 older juvenile Chinook, 9 ad-clipped juvenile Chinook, 22 adult longfin smelt and 4 adult delta smelt.

Sacramento Area beach seines – in two days of sampling (16 samples), FWS caught 13 young of the year Chinook.

Bay Seines – in one day of sampling (9 samples) FWS caught 1 longfin smelt.

Delta Smelt Monitoring

The first Kodiak trawl was completed the week of 1/12/09. The largest proportion of adult delta smelt was in the Sacramento Ship Channel. The rest were in the lower Sacramento and San Joaquin rivers, west of the Delta. Males and females are in the same areas (that's always a smart move) and most are at stage 3 of gonadal development. The most recent data available is at the following website

<http://www.delta.dfg.ca.gov/data/skt/DisplayMaps.asp>

The second smelt larval survey is scheduled to begin the week of 1/20/09. The first larval survey was the week of 1/1/09. All 35 stations were sampled and the results are on the DFG website

http://www.delta.dfg.ca.gov/data/sls/CPUE_map.asp.

Salvage Facilities

Chinook – 1 ad-clipped Chinook at the CVP on 1/12/09. A total of 27 non-clipped Chinook and 11 ad-clipped Chinook have been salvaged at the CVP this season; none at the SWP.

Steelhead – The first ad-clipped steelhead for the season was salvaged at the SWP on 1/18/09. A total of 6 ad-clipped steelhead have been

salvaged so far this season, but no non-clipped.

Delta smelt – None

Splittail – None

Longfin smelt - None

Green Sturgeon – None

The DFG Salvage Database can be accessed at this ftp site. <ftp://ftp.delta.dfg.ca.gov/salvage/>.

Operations

SWP -

CCFB – 2,500 cfs

Oroville - 950 cfs

X2 - > 81 km

E/I – 14-day - 44%

San Luis - ~330 taf, capacity is 1.062 taf

CVP -

Jones PP – 1,800 cfs, but decreasing to 950 cfs

Wednesday, 1/21/09

DCC - closed

Trinity – 300 cfs

Clear Creek – 200 cfs

Keswick – 3,250 cfs

Nimbus – 800 cfs.

Goodwin – 175 cfs

San Luis - 289 taf. Capacity is 966 taf

Flows

Sacramento River at Freeport ~ 7,780 cfs

San Joaquin River at Vernalis ~ 1,050 cfs

Delta Outflow ~ 3,700 cfs, 7-day average 4,300 cfs

OMR 14-day average -3,214 cfs, 5-day average is -3,065 cfs

Delta Water Quality

The 3-day average turbidity at three stations (Prisoners Point, Holland Cut, and Victoria Canal) is 4.9 NTU. The 3-day average at each station is Prisoners Point – 7.2 NTU, Holland Cut – 3.9 NTU, and Victoria Canal – 3.7 NTU.

January Quality Standards –

Delta Outflow – monthly average \geq 4,500cfs, 7-day average \geq 3,500cfs.

Delta Cross Channel – The gates may be closed for up to 45 days for the protection of Chinook between November 1st and January 31st.

E/I Ratio – 65%

Contra Costa Canal – CI \leq 250 mg/L. In addition, CI \leq 150 mg/L for 165 days per year. This portion of the standard was met in 2008 and started again January 1, 2009.

South Delta – 30-day average EC \leq 1.0.

Western Suisun Marsh - \leq 15.6 mS/cm.

Final copies of the DAT notes are now available on the CALFED Operations website at <http://www.woco.water.ca.gov/calfedops/datsummaries.html>.

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